

ABSTRACT

An air conditioner processes a latent heat load and a sensible heat load in a room by using a refrigeration cycle with an inverter compressor (7) and has heat exchangers (3) and (5), an absorbing agent, and a controller (2). The absorbing agent performs an absorbing operation for absorbing moisture in passing air whose heat is absorbed the heat exchangers (5) and (3) functioning as evaporators and a regenerating operation for desorbing moisture from passing air heated by the heat exchangers (3) and (5) functioning as condensers. The controller (2) performs control such that the absorbing operation and the regenerating operation by the absorbing agent are switched at predetermined switching time intervals.

5 The controller (2) also performs control of the capacity of the inverter compressor (7) and control for changing the absorbing operation and switching time intervals such that a predetermined load out of a total heat load, which is the sum of the latent heat load and the sensible heat load, the latent heat load, and the sensible heat load is preferentially processed.

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